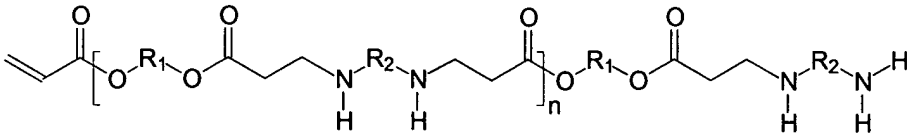
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

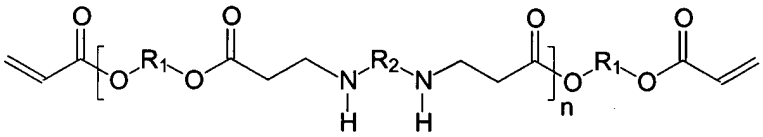
Listing of Claims:

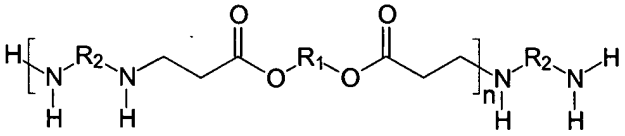
Claims 1-10 (canceled)

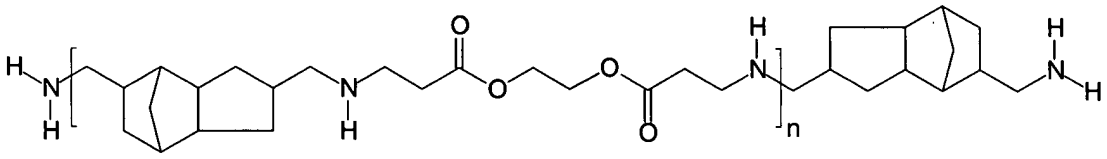
Claim 11 (currently amended) A dental composition comprising a polymerizable monomer, a polyaminoester, a pigment, a filler, an initiator and a stabilizer wherein said polyaminoester has a formula selected from



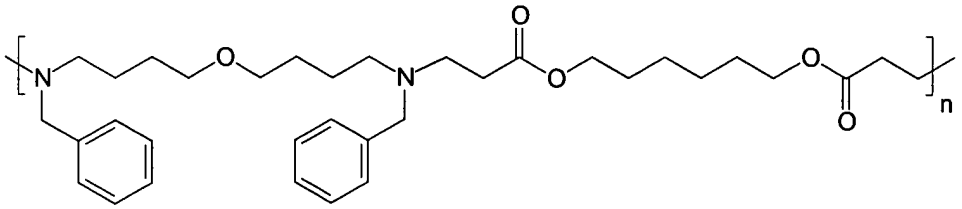
~~from~~







and



wherein

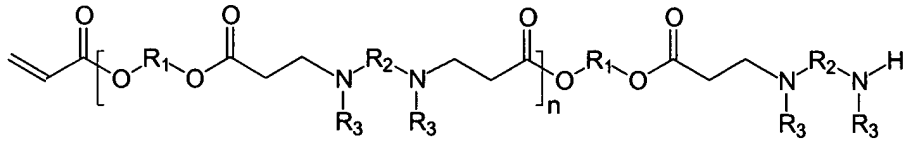
R_1 denotes is a difunctional ~~substituted or unsubstituted~~ C_1 to C_{18} alkylene, difunctional ~~substituted or unsubstituted~~ cycloalkylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} arylene or heteroarylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} alkylarylene or alkylheteroarylene, difunctional ~~substituted or unsubstituted~~ C_7 to C_{30} alkylene arylene;

R_2 denotes is a difunctional ~~substituted or unsubstituted~~ C_1 to C_{18} alkylene, difunctional ~~substituted or unsubstituted~~ cycloalkylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} arylene or heteroarylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} alkylarylene or alkylheteroarylene, difunctional ~~substituted or unsubstituted~~ C_7 to C_{30} alkylene arylene; and,

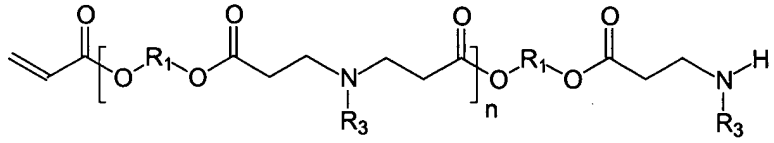
n is an integer.

Claim 12 (canceled)

Claim 13 (currently amended) Dental compositions comprising a polymerizable monomer and a polyaminoester selected from formulas **1** to **6**, pigments, organic and/or inorganic fillers, initiators and stabilizers; wherein said polyaminoester has the formula selected from



1



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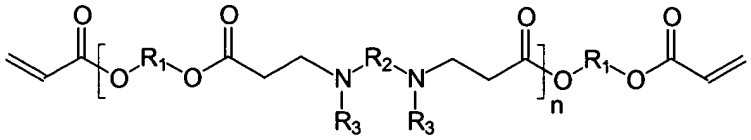

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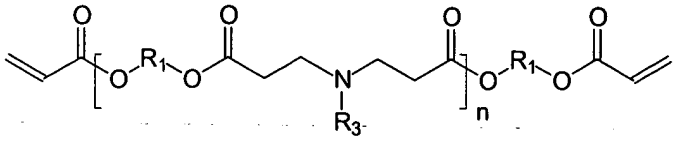

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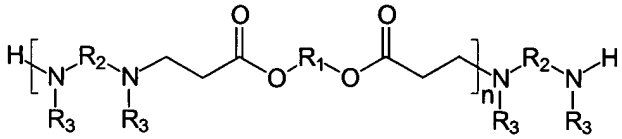
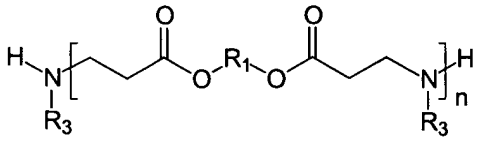


5

and



6

wherein

R_1 denotes is a difunctional ~~substituted or unsubstituted~~ C_1 to C_{18} alkylene, difunctional ~~substituted or unsubstituted~~ cycloalkylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} arylene or heteroarylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} alkylarylene or alkylheteroarylene, difunctional ~~substituted or unsubstituted~~ C_7 to C_{30} alkylene arylene,

R_2 denotes is a difunctional ~~substituted or unsubstituted~~ C_1 to C_{18} alkylene, difunctional ~~substituted or unsubstituted~~ cycloalkylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} arylene or heteroarylene, difunctional ~~substituted or unsubstituted~~ C_5 to C_{18} alkylarylene or alkylheteroarylene, difunctional ~~substituted or unsubstituted~~ C_7 to C_{30} alkylene arylene,

R_3 denotes H or a ~~substituted or unsubstituted~~ C_1 to C_{18} alkylene, ~~substituted or unsubstituted~~ cycloalkylene, ~~substituted or unsubstituted~~ C_5 to C_{18} arylene or heteroarylene~~, substituted or unsubstituted~~ C_5 to C_{18} alkylarylene or alkylheteroarylene, ~~substituted or unsubstituted~~ C_7 to C_{30} alkylene arylene, and

n is an integer; wherein said polyaminoesters are copolymerized with monomers that are usable for step-growth polymerization, with di- or polyepoxides or di- or polyisocyanates.